

**Tasking Memorandum No. CO-157**

**Memorandum For Cdrs DCMDs, DCMC CAOs**

**Subject:** DCMC Space Broad Area Review Action Plan

**Date:** MAR 15 2000

**Suspense Date:** April 18, 2000

**Target Audience:** All DCMC Employees

**Requirement(s):**

- The DCMC Space Broad Area Review Action Plan developed by DCMC HQ requires DCMC CAOs to analyze engineering and quality assurance resources necessary to support launch vehicle, satellite and space station acquisitions (SPACE SYSTEMS). Peripheral systems, sub-systems, items and component associated with ground based application are excluded. The launch vehicle programs are developed, designed and produced under the cognizance of DCMC Boeing Huntington Beach, CA and DCMC Lockheed Martin Astronautics, Denver, CO. This tasking is to identify additional launch vehicle, satellite and space station acquisitions managed by CAOs. The main thrust of this tasking is to re-evaluate DCMC insight on Space Systems throughout the Command.
- Since the objective of this tasking is re-evaluate DCMC insight on Space System acquisitions throughout the Command, two business rules shall be applied in completing this tasking:
  - Initial analysis of the Space system contracts managed by the CAO shall be performed using MIL-HDBK-881; DoD Handbook -- Work Breakdown Structure (WBS), 2 January 1998, Appendix F: Space Systems -- Work Breakdown Structure and Definitions and Appendix H: Common Elements -- Work Breakdown Structure and Definitions. The WBS shall serve as the framework to define component parts, key processes and systems. Considering the high consequence of failure of these items, and the possible low likelihood of failure due to robust contractor process controls, no KEY process should receive a rating lower than MODERATE.
  - A sample analysis is included to assist you in fulfilling this tasking.
- The DCMC action plan shall be executed in three phases:
  - Phase I (complete): DCMC Huntington Beach and DCMC Lockheed Martin Astronautics perform the WBS analysis of the launch vehicle contracts and document the findings to support a business case for additional resources.
  - Phase II: DCMC Huntington Beach and DCMC Lockheed Martin Astronautics Program Integrators (PIs) shall lead a re-evaluation of all launch vehicle delegations to major/critical suppliers and sub-tier suppliers. This re-evaluation shall be done in a teaming effort with the applicable System program Office (SPO) Program Manager/Staff, DCMC Supporting Program Integrators (SPIs) at the major/critical/sub-tier suppliers and District focal points. The objective of the re-evaluation is to validate the delegated insight/oversight necessary to mitigate Government technical risk on each Launch Vehicle program. The re-evaluation shall identify and consider the prime contractor method used to control the subcontract engineering and quality assurance requirements
  - Phase III: The scope of this tasking expands to all CAOs in Phase III. Each CAO shall review prime contracts for proper resource support using the WBS approach of Phase 1

and delegations (incoming/outgoing) that are related to launch vehicle, satellite and space station programs, to assure DCMC personnel are performing to the specific requirements as delineated in the prime **CAO** delegation.

- Each District shall appoint a focal point to assure all **CAOs** working Space Systems take the actions necessary to execute the plan.
- Each **CAO** shall use the WBS appendices to identify Space system materiel into its component parts, key processes and systems. The outcome of this tasking is expected to significantly affect planning and the assignment of management and technical responsibilities. The **CAOs** shall prepare a business case as determined by the output of the WBS analysis and risk classification related to components, key processes and systems.
- PLAS Process Code 85 (Supplier Quality Assurance) shall be supplemented by two tasking codes to analyze the delta associated in risk handling. The new tasking codes capture process proofing and product audit hours. A special instruction on using the new PLAS tasking codes shall be e-mailed to the impacted **CAOs**. DCMC specialists performing or supporting Supplier Quality Assurance at the following specific locations shall use the new tasking codes available in April 00 at the following **CAOs** managing Space System acquisitions:

**. DCMDE**

DCMC Raytheon Burlington, MA (Satellites)

DCMC LM Delaware Valley (Satellites)

**. DCMDW**

DCMC Boeing Canoga Park (Space Station)

DCMC Boeing Huntington Beach (Launch Vehicles)

DCMC LM Astronautics Denver (Launch Vehicles)

DCMC LM Sunnyvale (Satellites)

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